

Human Specimen Procurement Service (HSPS)



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and Medical Center

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HSPS Team

Lead Coordinator

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Mission of Human Specimen Procurement Service

- **Patient Benefit**
- **Support Development of New Reagents for Treatments and/or Diagnoses**
- **Support Basic Research at Barrow Neurological Institute (BNI) and St. Joseph's Hospital and Medical Center (SJHMC)**
- **Support collaborative efforts with TGen, IGC, Stanford, UCLA, UCSF**



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Collect Tissue in Doctor's Office, Clinic, Operating Room at SJHMC and/or BNI

- **Tissue – brain, lung/pleural/mediastinum, breast, skin, endocrine glands, colon/rectum, muscle and prostate (others per request)**
- **Cerebral Spinal Fluid (CSF)**
- **Blood**
- **Buccal Cells**
- **Urine**

Standard Services

- “Fixed” Tissue – paraffin, blocks, slides
- Snap frozen tissue (immediate to 30 minutes)
- Frozen tissues exceeding 30 minutes
- Peripheral Blood Mononuclear Cells (PBMCs)
- Normal tissue excised from the same patient



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Standard Collection Information and Process

- **Whose tissue gets collected?**
- **Who identifies potential donors and how?**
- **What's collected?**
- **When and where is it collected?**
- **What clinical information is obtained with the sample?**
- **How to request tissue and/or services?**

Whose Tissue gets Collected?

“Case:” individual who has the disease of interest present

“Control:” individual who does not have the disease of interest present

Breast Cancer Example:

“Case” tissue would come from a patient undergoing excision of a malignant breast tumor

“Control” tissue would come from a patient undergoing breast augmentation or breast reduction



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Who Identifies Potential Donors and How?

Identifying a “Case” or a “Control”

Note: “Control” tissue will not always be available

- Practitioner (MD, PA, NP, RN, tech, etc.)
 - approaches patient and/or family about donation, may provide brochure and HSPS contact information
- Practitioner / office contacts HSPS, then HSPS contacts patient
- Patient contacts HSPS directly (information on brochure)

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When and Where is Sample Collected?

- **Inpatient Operating Room**
 - HSPS collects Operating Room tissues from practitioner or refrigerator
- **Other Inpatient and Outpatient Settings**
- **Practitioner/allied personnel may collect in office at time of visit/procedure or at a later date**
- **HSPS can collect in office at time of visit/procedure or at a later date**

What Clinical Information is Obtained with the Sample?

- HSPS staff will obtain a signature for Release of Protected Health Information
- Informed Consent **MUST** be signed before any tissue or information is obtained
- HSPS staff will review the patient's chart or interview the patient to obtain:
 - Medical, Surgical, Medication, Chemotherapy, Lifestyle (smoking, alcohol, nutrition and exercise), Chemical and Travel Exposure information and record on appropriate Case Report Forms (CRFs)
- Participant is **ALWAYS** free to withdraw, at any time, by informing HSPS in writing

Modification Options

Anything that deviates from the HSPS standard collecting, processing, storing, and/or data collecting process must be submitted and review by the SJHMC Human Specimen Committee.

- **Modification options**
 - **Investigators may supply their own protocols**
 - **Investigators supply there own media, reagents, containers, labels, etc., depending on the requests**
 - **Additional Histories/ Case Report Forms (CRFs) may be administered**

What Researchers Can Do With the Samples Supplied by HSPS

- Cell Lines
- DNA Analysis
- Chromosome Analysis
- RNA Analysis
- Microdissection of Single Cells
- Tissue Microarrays
- Seizure Research



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How to Request Tissue and/or Services?

The following items need to be submitted to HSPS for consideration for services and/or samples:

- Tissue Request Form
- Detailed Protocol
- Consent Form, if not using HSPS standard
- Copy of IRB Approval, if study is not being done at SJHMC or BNI
- Distribution of Biological Materials Agreement
- Data Collection Form, if not using HSPS standard

Request Procedure

- **Special Processing Needs, if not using HSPS standard**
- **Project Contact List**
- **CV, NIH style**
- **FedEx Account Number and address for sample shipment**



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General Information

**Human Specimen Procurement Service
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